Author Index—Volume 42

Baker, J.G., 261

Chowdhury, S., 63
Coates, J.F., 91, 309, 413

Debackere, K., 133
Diamantides, N.D., 273, 385
Dijkstra, T.K., 85

Fischer, W.A., 251

Garud, R., 133
Gonzalez, M.V., 335
Gordon, T.J., 1
Gottinger, H.-W., 101, 107

Haraden, J., 47
Hauptman, O., 101, 193

Mahajan, V., 325
Martino, J.P., 121
Maruyama, M., 301, 409
Mason, J.H., 31

Miller, P.E., 251

Netemeyer, R., 325

Pelc, K.I., 213
Peterson, D.K., 251
Pope, S.L., 193

Qayum, A., 291

Rappa, M.A., 133
Robinson, J.B., 147

Sahu, K.C., 63
Sharif, N., 367
Sharma, S., 325
Sutherland, J.W., 165

Wahlström, B., 351

Ziemer, D.R., 223
Zmud, R.W., 251
Zunsheng Yin, J., 17

Book Index—Volume 42

Casti, J., *Searching for Certainty* (Robert U. Ayres), 219

Laszlo, E., ed., *The New Evolutionary Paradigm* (Robert U. Ayres), 221

Meadows, D.H., Meadows, D.L., and Randers, J., *Beyond the Limits* (Harold A. Linstone), 97

Modis, T., *Predictions* (Harold A. Linstone), 317

Noble, D.D., *The Classroom Arsenal—Military Research, Information Technology and Public Education* (Ira R. Hoos), 423

Saaty, T.L. and Boone, L.W., *Embracing the Future* (William E. Halal), 419

Sankar, Y., *Management of Technological Change* (Ariel Dinar), 322

Wagar, W.W., *The Next Three Futures* (Harold A. Linstone), 320

TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE 42, 428–429 (1992)

Subject Index—Volume 42

Actions, effective, difficulty in implementing, 413
Airport system, 213
Amplitude, 409
Anthropology, management science, and psychology, 301
Anticipation, applied technology forecasting and, 193
Applied technology forecasting, process of, 193
Author/inventor contribution spans, 133

Baldridge Award, as predictor of technological success of firm, 325
Brain drain, 273

Capital, flight of, 291
Causal loops, 409
Ceramic superconducting materials, process of applied technology forecasting and, 193
Certainty, searching for, 219
Chaos, in social systems, 1
China, success of technology transfer projects in, 17
Command economies, 291
Complexity, dilemma of, 351
Contribution spans, duration of, technological progress and, 133
Counterculturalism, 320
Cultures, dysfunctional, misfunctional, and toxicofunctional aspects of, 301
Cyprus, total out-migration from, 273

Decentralism, 320
Description, versus prediction, 85
Direction of influence, 409
Dynamic systems, chaos in, 1

Education, influence of military on, 423
Environmental decision making, data and models in support of, 147
Executive analysis, applied technology forecasting and, 193

Financial success, of firm, prediction of, 325
Foreign exchange reserves, depletion of, 291
Foreign national scientists, 261
Futures studies, 85, 309, 335, 419

Global collapse, 97
Graduate student support, increasing, 261
Greece, emigration from, 273

Hard uncertainty, process of applied technology forecasting and, 193
Highway system, 213
Housing, as Third World technological opportunity, 91
Hyperinflation, 291

India, system dynamics model for oil and gas exploration/exploitation industry in, 63
Indigenous technological capability, effect of on performance of technology transfer projects, 17
Individuals, dysfunctional, misfunctional, and toxicofunctional aspects of, 301
Information-based service firms, innovation in, 31
Information processing theory, applied technology forecasting and, 193
Information technology, appraisal of, 251
Innovation, in professional services, 31
Insurance company, strategic planning incorporating futures study in context of, 335
International cooperation, technological dimensions of, 367
International migration, as sociocultural diffusion process, 273, 385

Job openings, in year 2000, 261

Less developed countries, success of technology transfer projects in, 17
Lifecycle, marketplace, 223
Limits, of forecasting, 219

Macrodynamics, of international migration, 273, 385
Magma power, market penetration of, 47
Magnetic resonance imaging industry, process of applied technology forecasting and, 193
Maps, environmental decision making and, 147
Market penetration, of magma power, 47
Marketplaces, sizing and timing, 223
Market prices, in socialist countries, 291
Market uncertainty, dynamic model of R&D

planning under, 107
Maximum entropy method, in generation of probability distribution, 121
Military
influence of on education, 423
research, 423

New evolutionary paradigm, 221
New systems paradigm, 213
Notation system, for causal loops for strategic decision makers, 409

Oil and gas exploration/exploitation industry, Indian, system dynamics model for, 63
Organizations, dysfunctional, misfunctional, and toxicofunctional aspects of, 301
Overshoot, 97

Ph.D. labor market models, 261
Planning, applied technology forecasting and, 193
Postdoctoral pool, tapping into, 261
Potential productivity, of professional services, 31
Precursors, probabilistic technological forecasts using, 121
Prediction, versus description, 85
Probability distribution, for time lag between demonstration of a device and its market introduction, 121
Product class, customer and marketplace life cycle for, 223
Professional services, innovation in, 31
Progress, technological, 133

Radicalism, 320
Research and development
market uncertainty and, 107
military and, 423
Ph. D. labor market models and, 261
Risk analysis, 351

Scientists, real wages of, 261
Service exports, professional services as, 31
Sizing, of marketplaces, 223
Socialist countries, introduction of market prices in, 291
Social systems, chaos in, 1
Sociocultural diffusion process, 273, 385
Socioeconomic models, environmental decision making and, 147
Strategic decision making, causal loops in, 409
Strategic planning, incorporating futures study, 335
Strategic projection, technical perspective on, 165
Survival analysis statistics, duration of contribution spans and, 133
Sustainable development, technological dimensions of, 367

Technoliberalism, 320
Technological change, management of, 322
Technological risks, avoiding, 351
Technology measurement, 251
Technology transfer projects, technological capabilities as determinants of success of, 17
Telephone system, 213
Territories, environmental decision making and, 147
Third World, housing in, 91
Time delay, 409
Timing, of marketplaces, 223
Trade improvement, in professional services, 31

Uncertain environment, processing information on, 335
Unemployment, mass, 291
United States
dampening of technological progress and, 165
emigration from Greece into, 273
Urban future, preparing for, 309

World3 model, 97

Zeitgeist, 423